Vibration Monitoring Report Summary

Slauson Middle School Renovation and Addition	Project Number: 253121 Client: Ann Arbor Public Schools	Date: 11/02/26 to 11/08/26 Client Contact: Erik Bodker (Gilbane)

Project Address: 1019 W Washington St, Ann Arbor, MI 48103

Micromate/Minimate Serial No. :	UM17586	Geophone Serial No.:	UM17586

Vibration Unit Location:	UM17586 - West side of school, next to property line behind 231 Buena Vista

Maximum Peak Particle Velocity (PPV) (in/sec):		Frequency (Hz) at PPV:	
UM17586	0.1192 in/sec – Transverse channel on 11/03/2026 at 11:02:05	UM17586	73.1 Hz

Maximum Specified PPV (in/sec): 0.20

Description of Construction Activities:

General construction activities with the intent to establish a baseline vibration level during construction. Zero (0) vibration events occurred which exceeded the maximum specified peak particle velocity (PPV). Seismograph UM17586 stopped recording at approximately 4:20 AM on November 7, 2026 due to a low battery; vibrations from that time through the end of this reporting period were not recorded.

Reported By: RPC, P.E.	Reviewed By: MGD, P.E.

Start	November 2, 2026 07:30:17
Finish	November 2, 2026 11:59:59
Number of Intervals/Interval	17.98/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261102073017.IDFH
USB Sensor Support	Disabled

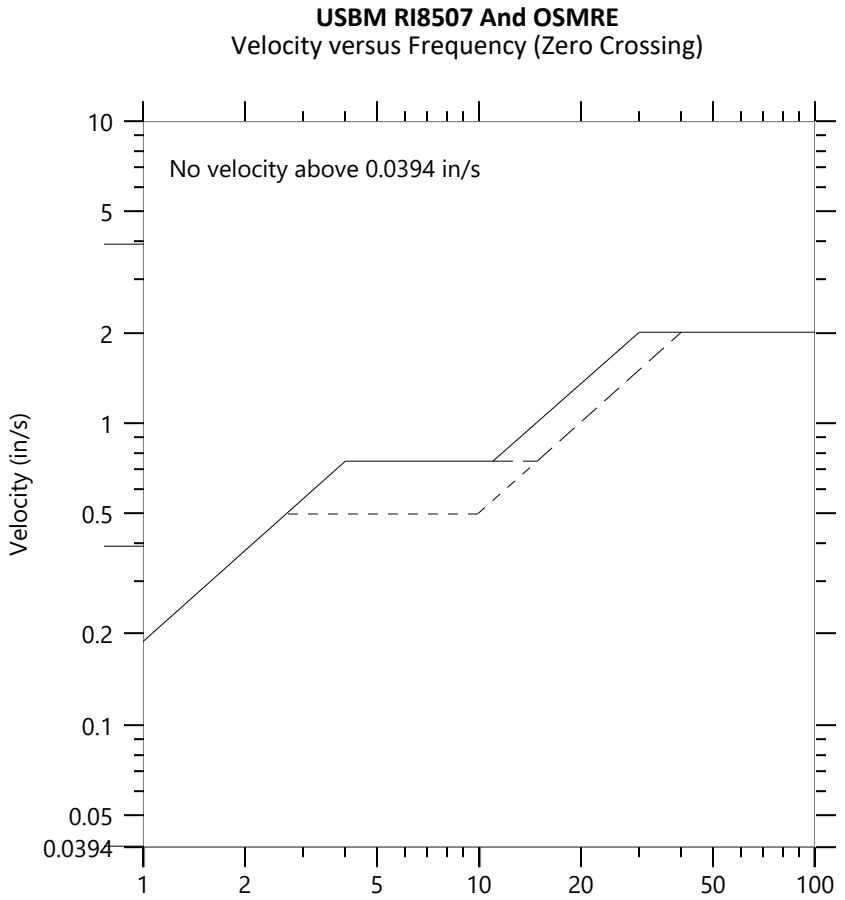
Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0102 in/s	0.0068 in/s	0.0192 in/s
Zero Crossing Frequency	36.6 Hz	56.9 Hz	34.1 Hz
Date	Nov 2, 2026	Nov 2, 2026	Nov 2, 2026
Time	08:45:17	08:45:17	08:45:17
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.8

Peak Vector Sum 0.0195 in/s at November 2, 2026 08:45:17





Format © 2021 Xmark Corporation

Start	November 2, 2026 12:00:16
Finish	November 2, 2026 15:29:59
Number of Intervals/Interval	13.98/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

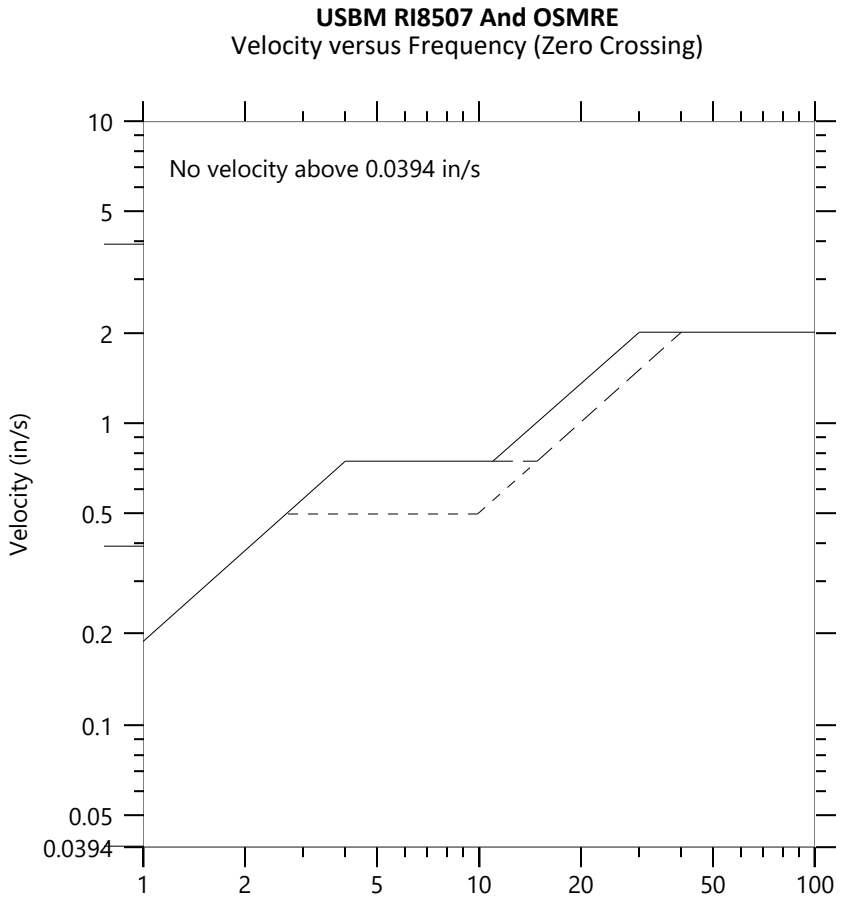
Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261102120016.IDFH
USB Sensor Support	Disabled

Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0074 in/s	0.0068 in/s	0.0112 in/s
Zero Crossing Frequency	19.0 Hz	12.2 Hz	11.6 Hz
Date	Nov 2, 2026	Nov 2, 2026	Nov 2, 2026
Time	13:45:16	13:45:16	13:45:16
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.8
Peak Vector Sum	0.0118 in/s at November 2, 2026 13:30:16		





Format © 2021 Xmark Corporation

Start	November 2, 2026 15:32:05
Finish	November 3, 2026 07:29:59
Number of Intervals/Interval	63.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261102153205.IDFH
USB Sensor Support	Disabled

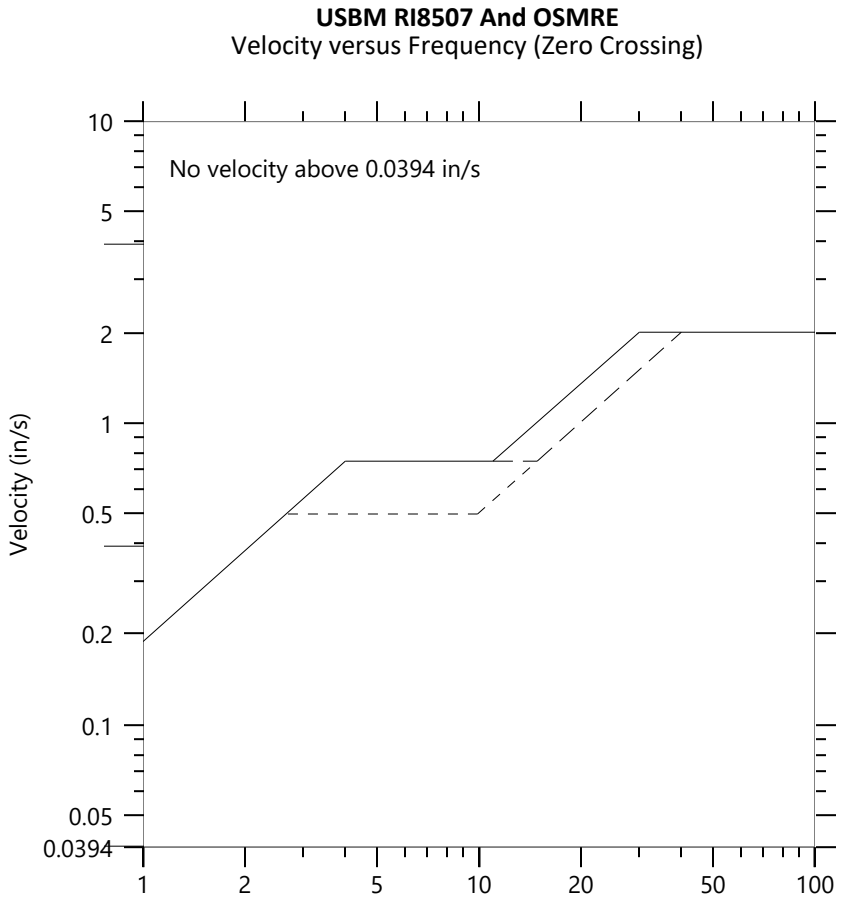
Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

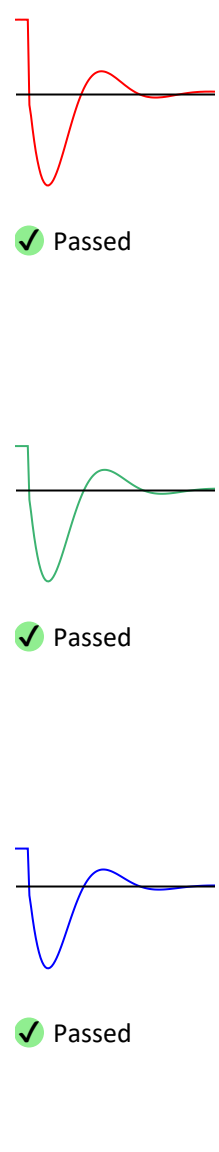
Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0158 in/s	0.0078 in/s	0.0211 in/s
Zero Crossing Frequency	20.5 Hz	46.5 Hz	51.2 Hz
Date	Nov 3, 2026	Nov 2, 2026	Nov 2, 2026
Time	07:29:59	15:47:05	15:47:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.8

Peak Vector Sum 0.0217 in/s at November 2, 2026 15:47:05







Format © 2021 Xmark Corporation

Start	November 3, 2026 07:32:05
Finish	November 3, 2026 11:59:59
Number of Intervals/Interval	17.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261103073205.IDFH
USB Sensor Support	Disabled

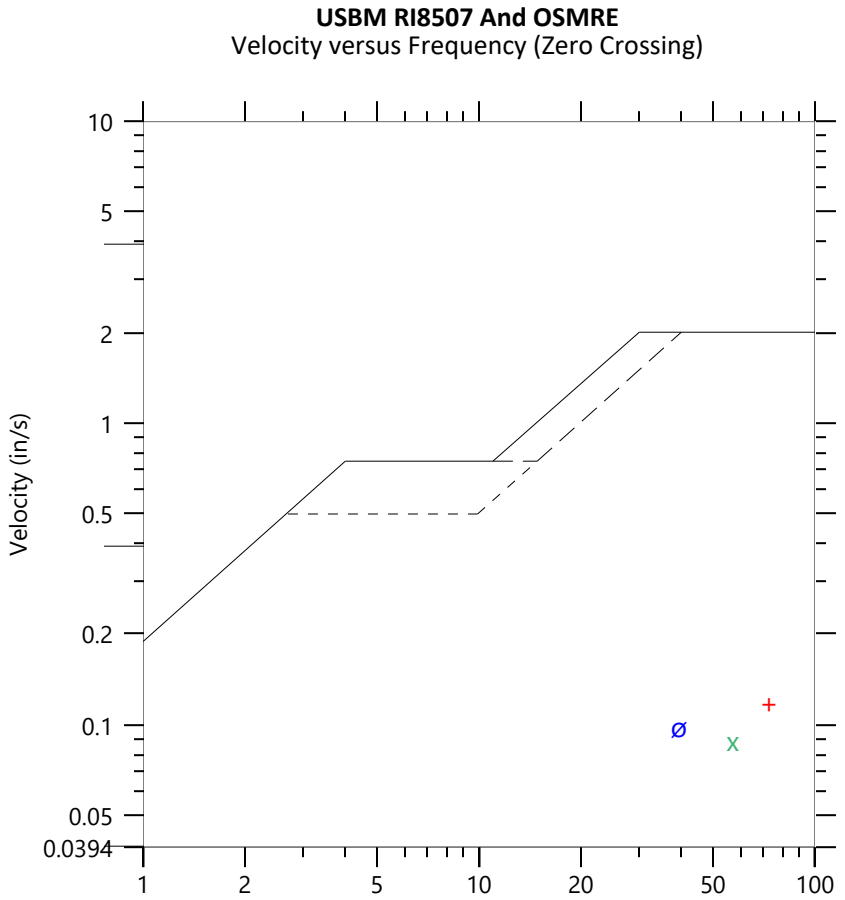
Notes

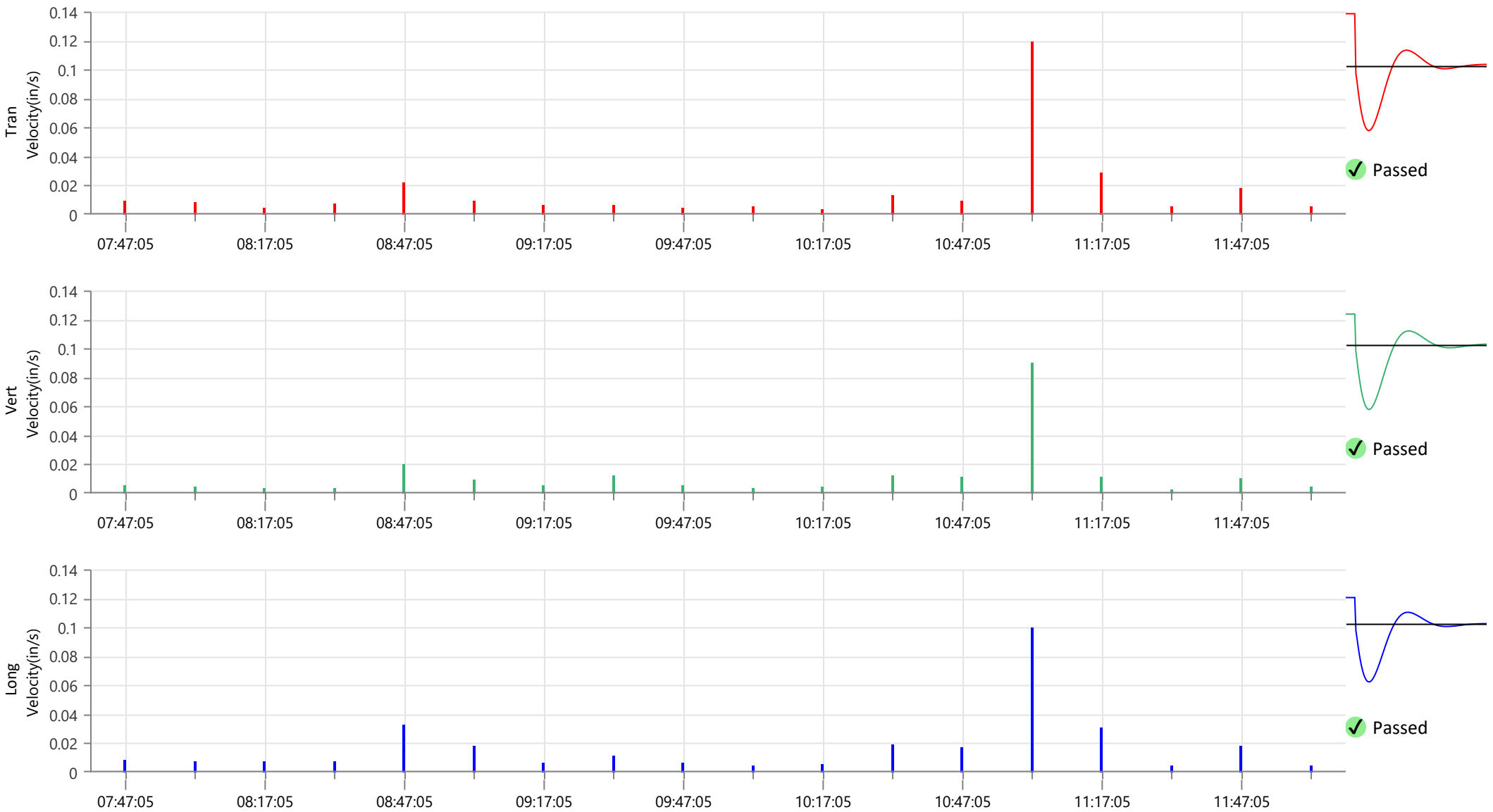
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.1192 in/s	0.0903 in/s	0.1005 in/s
Zero Crossing Frequency	73.1 Hz	56.9 Hz	39.4 Hz
Date	Nov 3, 2026	Nov 3, 2026	Nov 3, 2026
Time	11:02:05	11:02:05	11:02:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.4	4.7

Peak Vector Sum 0.1225 in/s at November 3, 2026 11:02:05





Format © 2021 Xmark Corporation

Start	November 3, 2026 12:02:05
Finish	November 3, 2026 15:29:59
Number of Intervals/Interval	13.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261103120205.IDFH
USB Sensor Support	Disabled

Notes

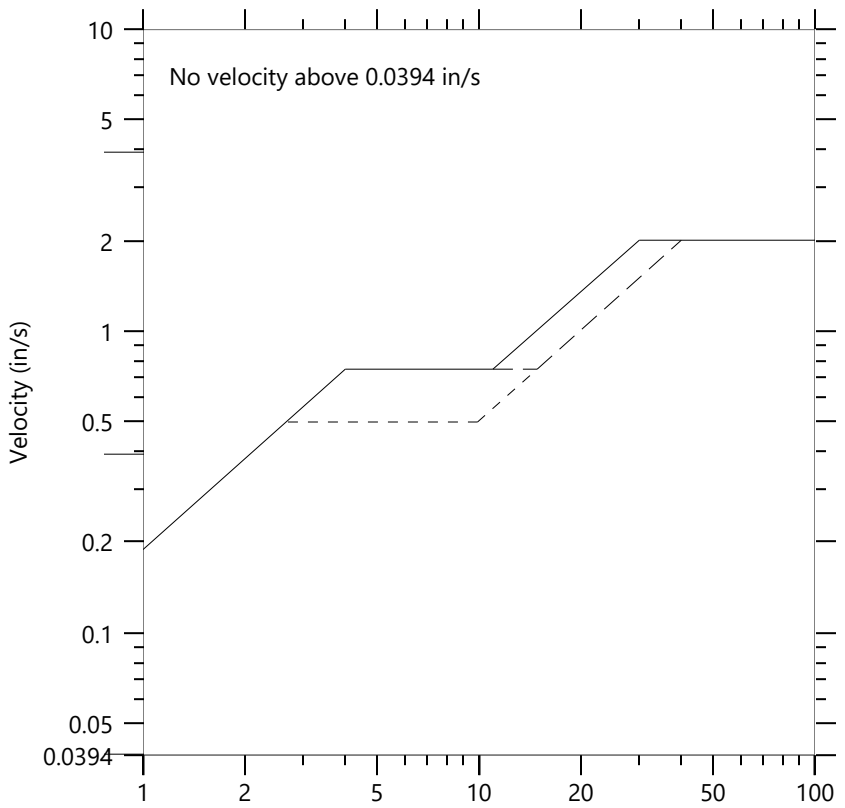
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

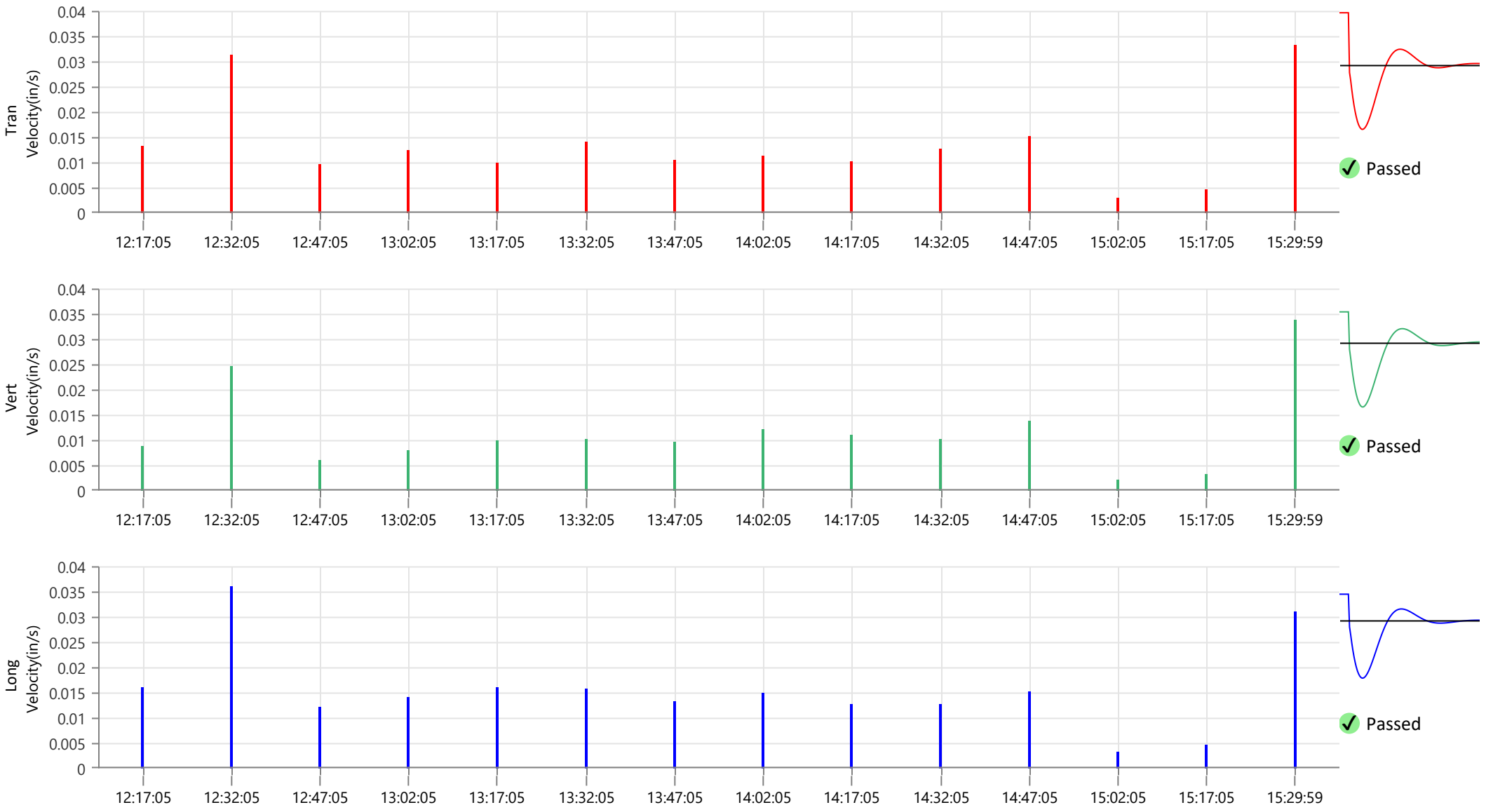
Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0332 in/s	0.0338 in/s	0.0360 in/s
Zero Crossing Frequency	56.9 Hz	46.5 Hz	30.1 Hz
Date	Nov 3, 2026	Nov 3, 2026	Nov 3, 2026
Time	15:29:59	15:29:59	12:32:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.7

Peak Vector Sum 0.0454 in/s at November 3, 2026 12:32:05

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)





Format © 2021 Xmark Corporation

Start	November 3, 2026 15:32:05
Finish	November 4, 2026 07:29:59
Number of Intervals/Interval	63.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

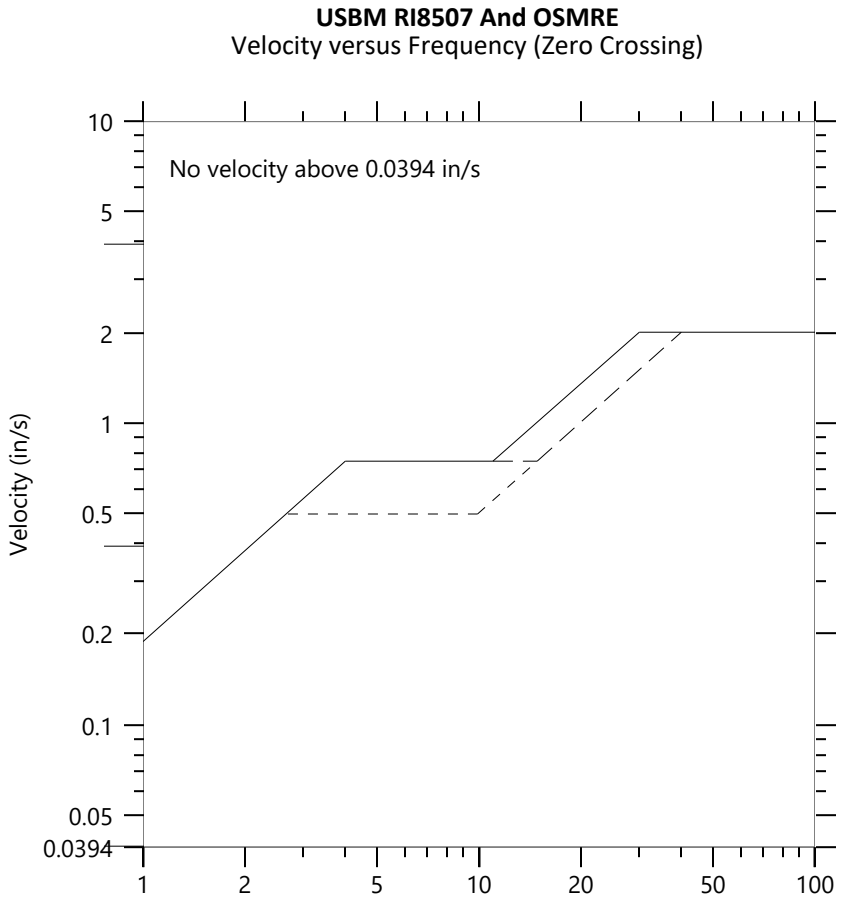
Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261103153205.IDFH
USB Sensor Support	Disabled

Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0202 in/s	0.0180 in/s	0.0335 in/s
Zero Crossing Frequency	26.9 Hz	13.1 Hz	34.1 Hz
Date	Nov 3, 2026	Nov 3, 2026	Nov 3, 2026
Time	17:02:05	17:47:05	17:47:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.7
Peak Vector Sum	0.0349 in/s at November 3, 2026 17:47:05		





Format © 2021 Xmark Corporation

Start	November 4, 2026 07:32:05
Finish	November 4, 2026 11:59:59
Number of Intervals/Interval	17.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261104073205.IDFH
USB Sensor Support	Disabled

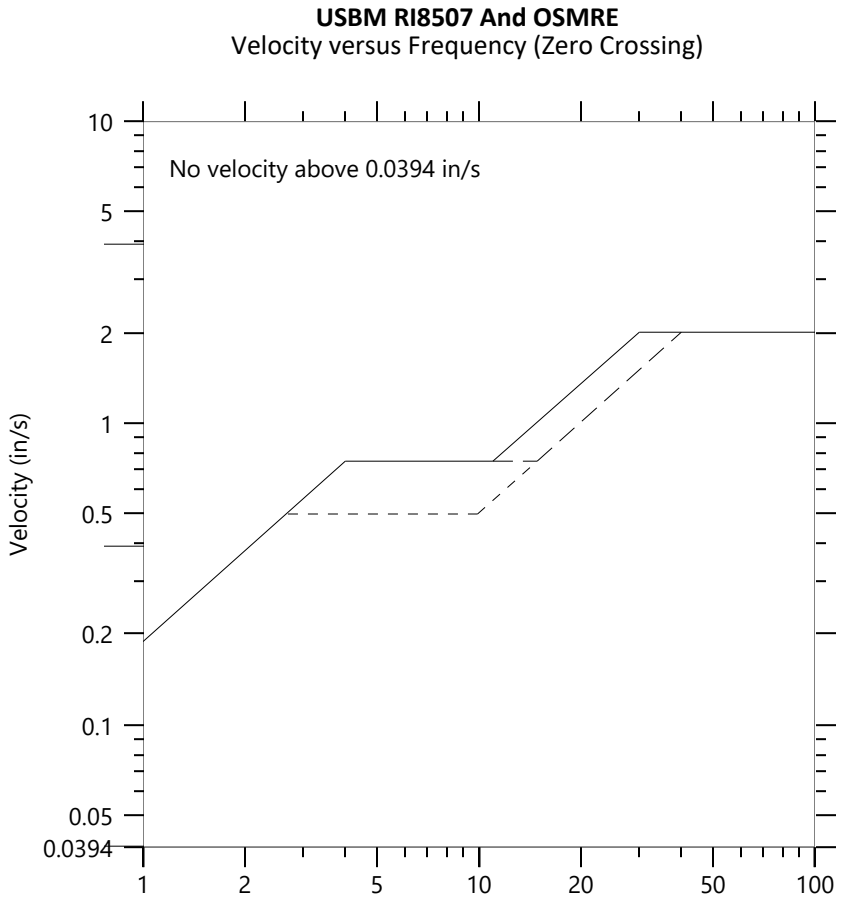
Notes

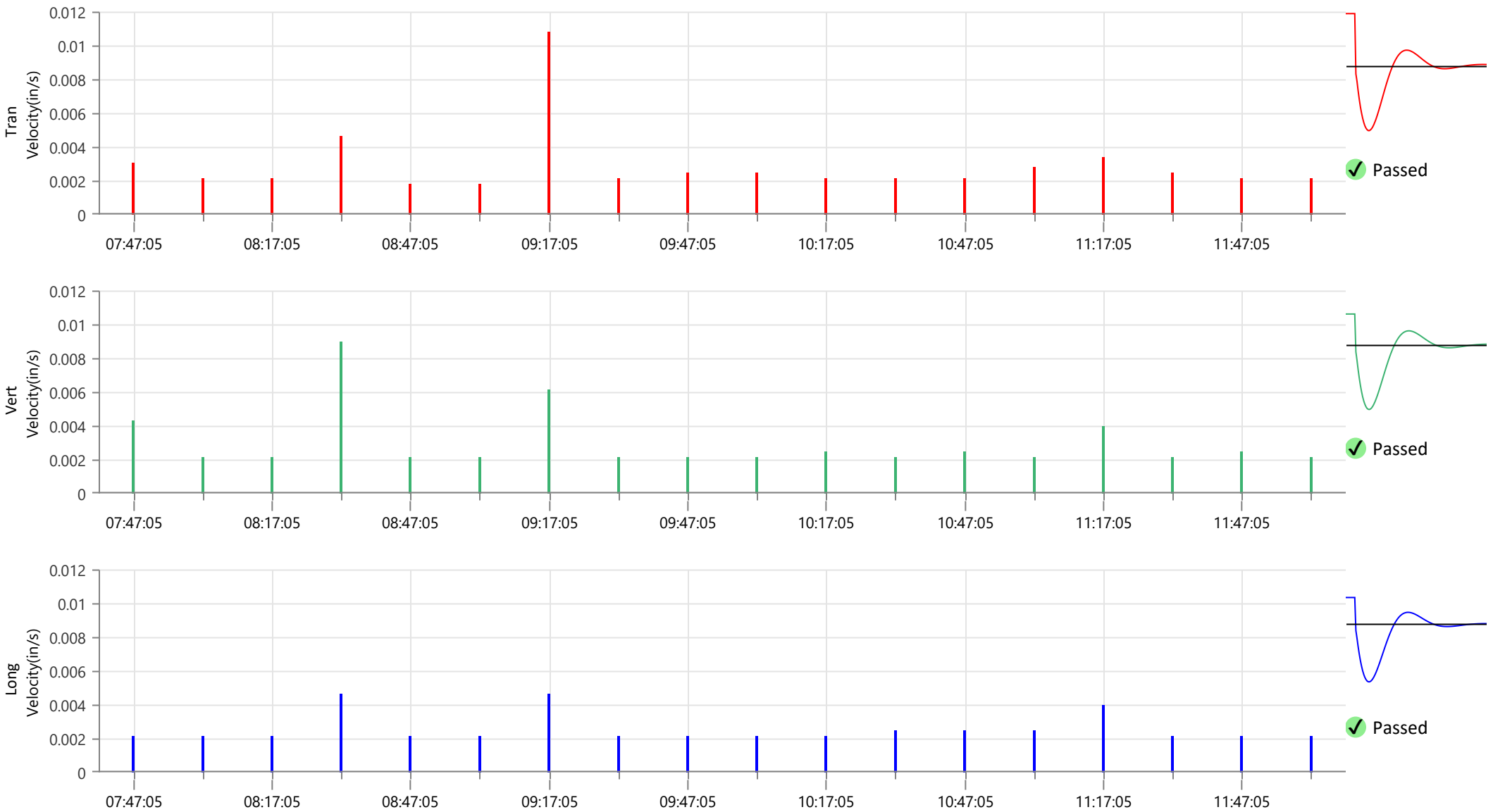
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0109 in/s	0.0090 in/s	<0.005 in/s
Zero Crossing Frequency	42.7 Hz	>100 Hz	>100 Hz
Date	Nov 4, 2026	Nov 4, 2026	Nov 4, 2026
Time	09:17:05	08:32:05	08:32:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.7

Peak Vector Sum 0.0121 in/s at November 4, 2026 09:17:05





Format © 2021 Xmark Corporation

Start	November 4, 2026 12:02:05
Finish	November 4, 2026 15:29:59
Number of Intervals/Interval	13.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.8 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261104120205.IDFH
USB Sensor Support	Disabled

Notes

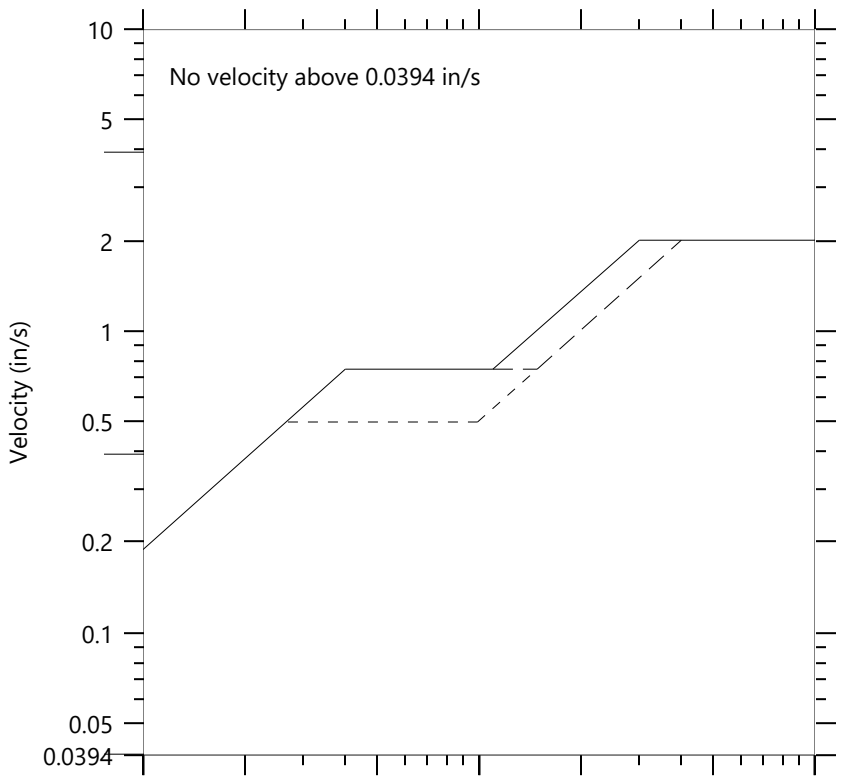
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0068 in/s	0.0146 in/s	0.0065 in/s
Zero Crossing Frequency	>100 Hz	>100 Hz	>100 Hz
Date	Nov 4, 2026	Nov 4, 2026	Nov 4, 2026
Time	12:47:05	12:47:05	12:32:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.8	4.3	4.7

Peak Vector Sum 0.0151 in/s at November 4, 2026 12:47:05

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)





Format © 2021 Xmark Corporation

Start	November 4, 2026 15:32:05
Finish	November 5, 2026 07:29:59
Number of Intervals/Interval	63.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.7 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261104153205.IDFH
USB Sensor Support	Disabled

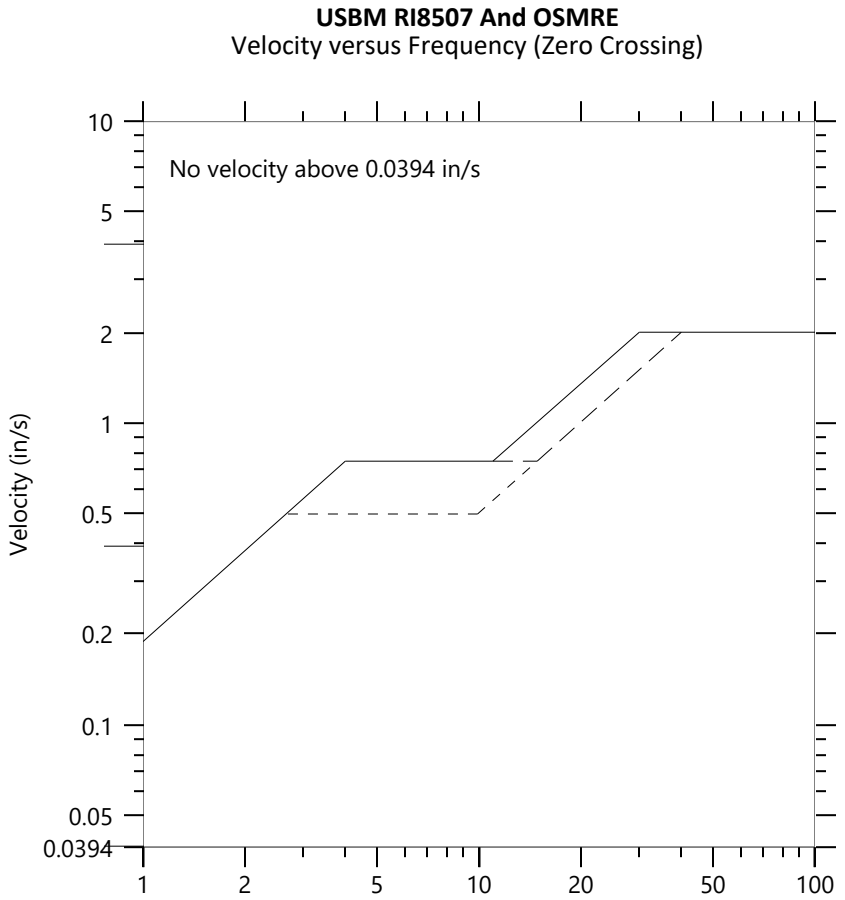
Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

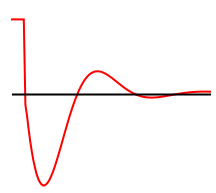
Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0130 in/s	0.0149 in/s	0.0065 in/s
Zero Crossing Frequency	28.4 Hz	>100 Hz	42.7 Hz
Date	Nov 4, 2026	Nov 4, 2026	Nov 4, 2026
Time	16:47:05	21:17:05	16:47:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.8

Peak Vector Sum 0.0149 in/s at November 4, 2026 21:17:05

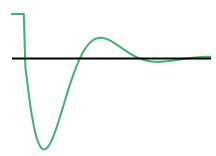




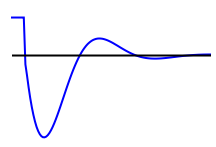
Sensor Check



✓ Passed



✓ Passed



✓ Passed

Format © 2021 Xmark Corporation

Start	November 5, 2026 07:32:05
Finish	November 5, 2026 11:59:59
Number of Intervals/Interval	17.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.7 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261105073205.IDFH
USB Sensor Support	Disabled

Notes

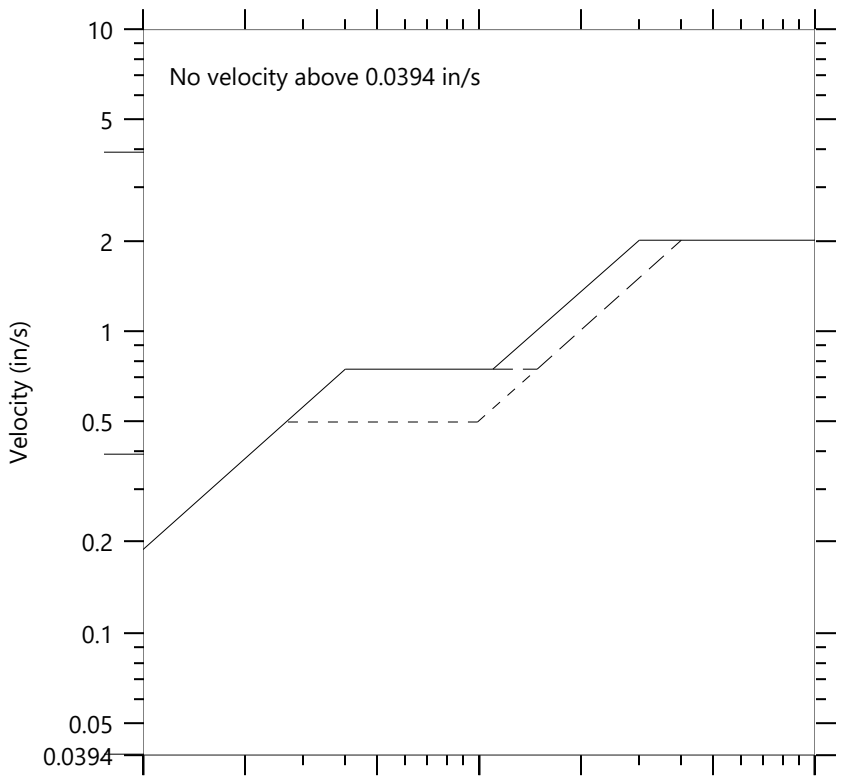
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0161 in/s	0.0115 in/s	0.0115 in/s
Zero Crossing Frequency	28.4 Hz	85.3 Hz	15.1 Hz
Date	Nov 5, 2026	Nov 5, 2026	Nov 5, 2026
Time	08:47:05	08:47:05	08:47:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.3	4.8

Peak Vector Sum 0.0192 in/s at November 5, 2026 08:47:05

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)





Format © 2021 Xmark Corporation

Start	November 5, 2026 12:02:05
Finish	November 5, 2026 15:29:59
Number of Intervals/Interval	13.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.7 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261105120205.IDFH
USB Sensor Support	Disabled

Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0413 in/s	0.0295 in/s	0.0472 in/s
Zero Crossing Frequency	20.5 Hz	28.4 Hz	30.1 Hz
Date	Nov 5, 2026	Nov 5, 2026	Nov 5, 2026
Time	15:02:05	15:17:05	15:17:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.5 Hz	7.5 Hz
Overswing Ratio	3.8	4.3	4.7

Peak Vector Sum 0.0488 in/s at November 5, 2026 15:17:05

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)



Format © 2021 Xmark Corporation

Start	November 5, 2026 15:32:05
Finish	November 6, 2026 07:29:59
Number of Intervals/Interval	63.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.7 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261105153205.IDFH
USB Sensor Support	Disabled

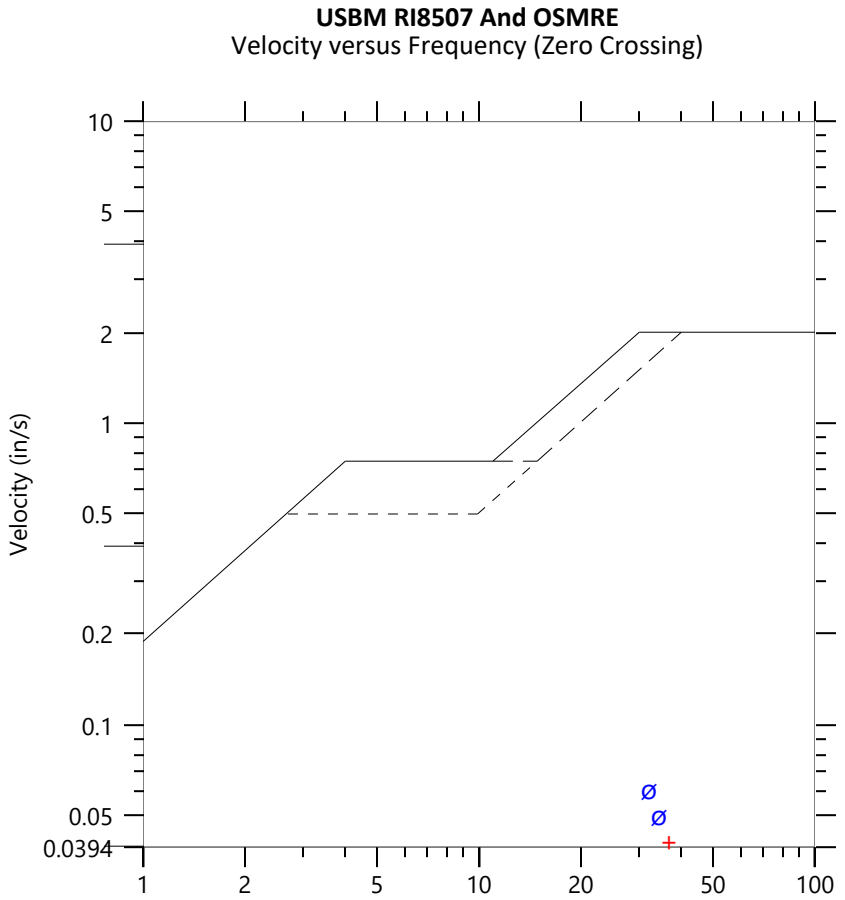
Notes

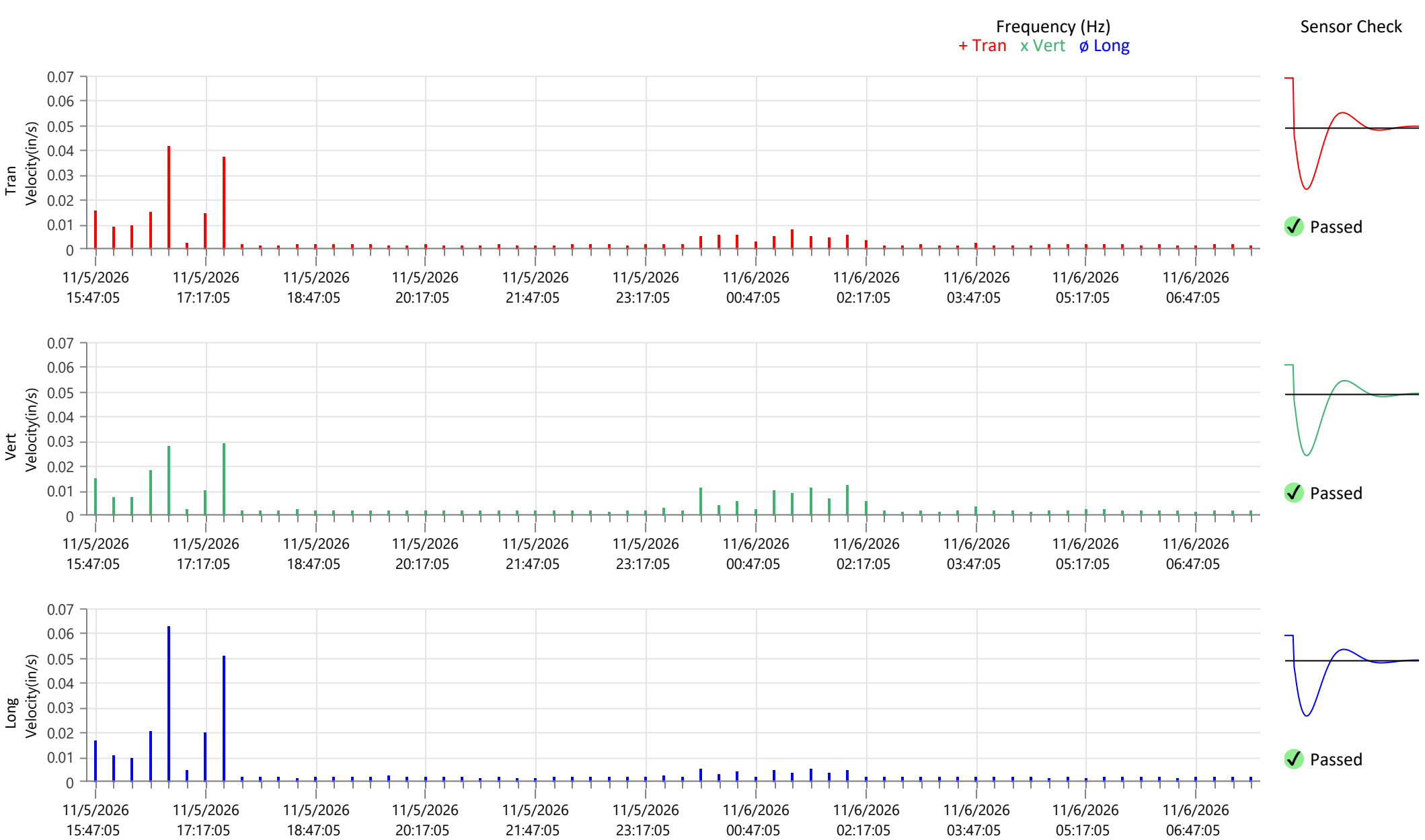
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0419 in/s	0.0295 in/s	0.0627 in/s
Zero Crossing Frequency	36.6 Hz	46.5 Hz	32.0 Hz
Date	Nov 5, 2026	Nov 5, 2026	Nov 5, 2026
Time	16:47:05	17:32:05	16:47:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.9	4.4	4.8

Peak Vector Sum 0.0694 in/s at November 5, 2026 16:47:05





Format © 2021 Xmark Corporation

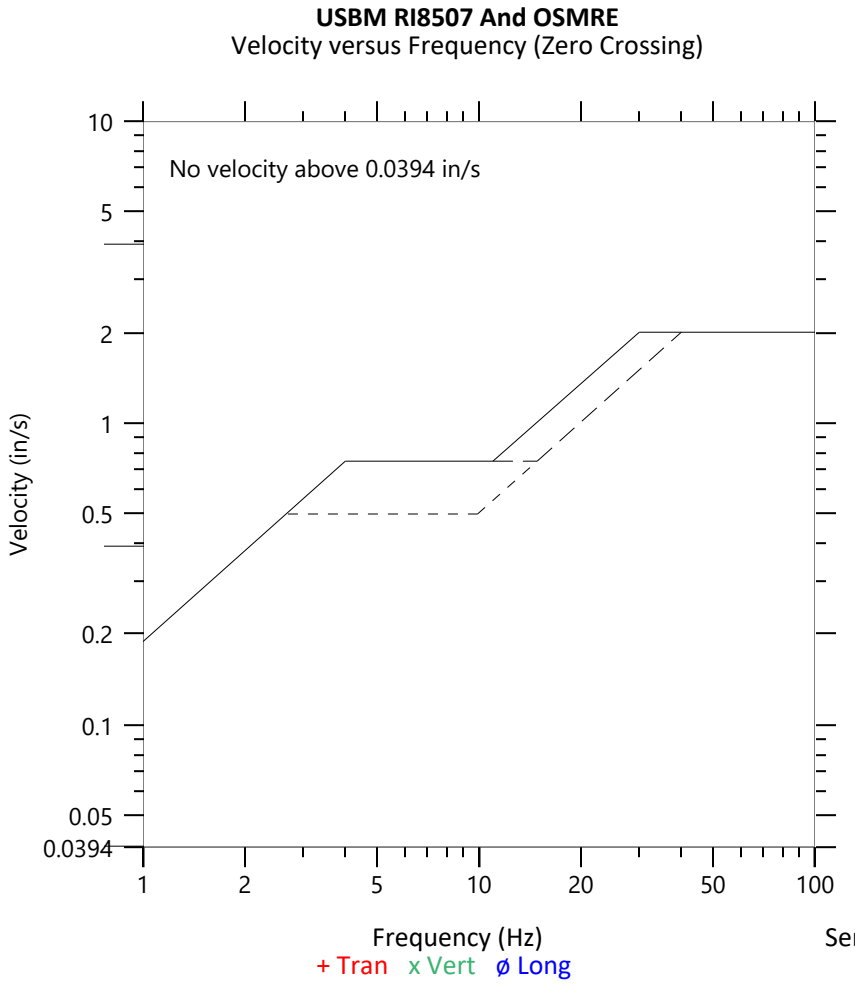
Start	November 6, 2026 07:32:05	**Serial Number**	UM17586
Finish	November 6, 2026 11:59:59	**Model Number**	Micromate ISEE 11.0BD
Number of Intervals/Interval	17.86/900 sec	**Battery Level**	3.6 volts
Sample Rate	1024 sps	**Unit Calibration**	February 23, 2026 by Instantel
Setup File Name	253121 Slauson Middle School.mmb	**Event File Name**	UM17586_20261106073205.IDFH
Operator	Operator	**USB Sensor Support**	Disabled

Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0106 in/s	0.0074 in/s	0.0133 in/s
Zero Crossing Frequency	26.9 Hz	36.6 Hz	34.1 Hz
Date	Nov 6, 2026	Nov 6, 2026	Nov 6, 2026
Time	09:32:05	09:32:05	09:02:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.9	4.4	4.8
Peak Vector Sum	0.0140 in/s at November 6, 2026 09:02:05		





Format © 2021 Xmark Corporation

Start	November 6, 2026 12:02:05
Finish	November 6, 2026 15:29:59
Number of Intervals/Interval	13.86/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.5 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261106120205.IDFH
USB Sensor Support	Disabled

Notes

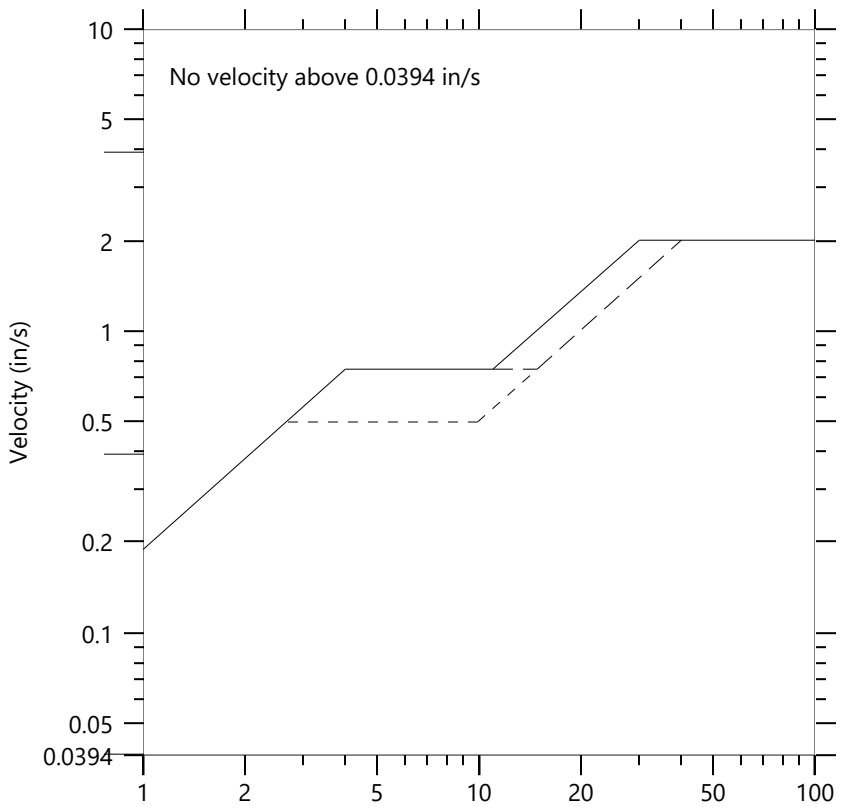
Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0068 in/s	0.0124 in/s	0.0062 in/s
Zero Crossing Frequency	>100 Hz	>100 Hz	21.3 Hz
Date	Nov 6, 2026	Nov 6, 2026	Nov 6, 2026
Time	15:02:05	15:02:05	15:17:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.5 Hz
Overswing Ratio	3.9	4.4	4.8

Peak Vector Sum 0.0127 in/s at November 6, 2026 15:02:05

USBM RI8507 And OSMRE
Velocity versus Frequency (Zero Crossing)





Format © 2021 Xmark Corporation

Start	November 6, 2026 15:32:05
Finish	November 7, 2026 04:20:25
Number of Intervals/Interval	51.22/900 sec
Sample Rate	1024 sps
Setup File Name	253121 Slauson Middle School.mmb
Operator	Operator

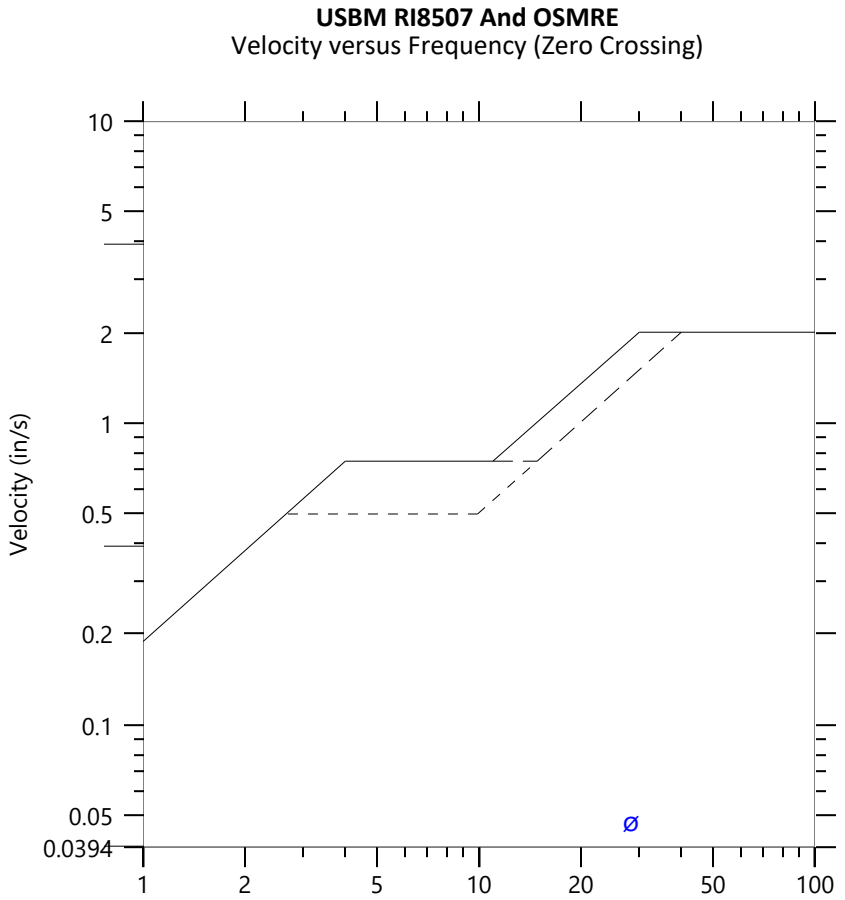
Serial Number	UM17586
Model Number	Micromate ISEE 11.0BD
Battery Level	3.5 volts
Unit Calibration	February 23, 2026 by Instantel
Event File Name	UM17586_20261106153205.IDFH
USB Sensor Support	Disabled

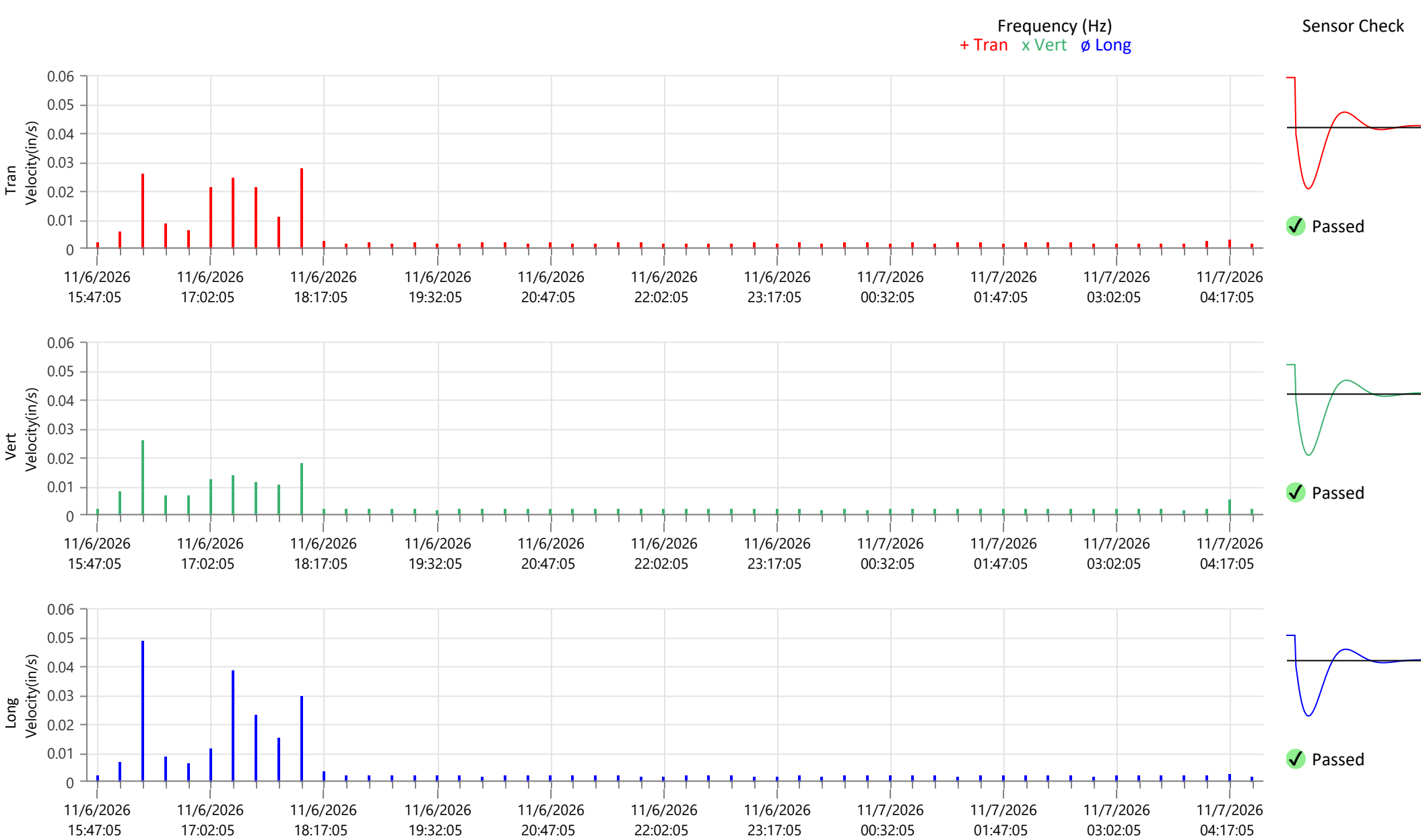
Notes

Location	1019 W Washington St, Ann Arbor, MI
Client	Gilbane Building Company
Company	G2 Consulting Group, LLC
General Notes	G2 No. 253121

Post Event Notes No text to be displayed.

Geophone	**Tran**	**Vert**	**Long**
Peak Particle Velocity	0.0279 in/s	0.0261 in/s	0.0487 in/s
Zero Crossing Frequency	42.7 Hz	32.0 Hz	28.4 Hz
Date	Nov 6, 2026	Nov 6, 2026	Nov 6, 2026
Time	18:02:05	16:17:05	16:17:05
Sensor Check	✓ Passed	✓ Passed	✓ Passed
Frequency	7.7 Hz	7.3 Hz	7.3 Hz
Overswing Ratio	3.9	4.4	4.8
Peak Vector Sum	0.0529 in/s at November 6, 2026 16:17:05		





Format © 2021 Xmark Corporation